

Table 4

Table 4						
Tacoma Smelter Plume Site						
Trace Element-to-Arsenic Ratios From Regression Equations						
		Regression	Element-to-Arsenic Ratio at			
		R-Squared	Arsenic concentration (ppm) of:			
		(percent)	20	50	100	200
Tacoma Smelter Plume Samples						
(n=92 borings)						
	Pb	36.4	3.69	2.86	2.35	1.94
	Sb	64.5	0.132	0.131	0.129	0.128
	Bi	75.4	0.034	0.039	0.043	0.048
	In	70.7	0.0047	0.0041	0.0037	0.0033
	Ag	58.7	0.0103	0.0081	0.0067	0.0056
Orchard Samples						
(n=8 samples)						
	Pb	93.2	6.67	5.18	4.27	3.53
	Sb	59.7	0.032	0.018	0.012	0.008
	Bi	76.1	0.0129	0.0063	0.0036	0.0021
	In	47.9	0.0025	0.0012	0.0007	0.0004
	Ag	57.0	0.0030	0.0016	0.0010	0.0006
	Comparative Enrichment, Smelter vs Orchard Soils					
	Pb		0.55	0.55	0.55	0.55
	Sb		4.1	7.3	10.8	16.0
	Bi		2.6	6.2	11.9	22.9
	In		1.9	3.4	5.3	8.3
	Ag		3.4	5.1	6.7	9.3
NOTES:						
Comparative enrichment calculated as element-to-arsenic ratio for smelter soils divided by orchard soils.						
All linear regression equations calculated using LOG concentrations.						
Detection limit concentrations used for not-detected results.						